Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for producing a powdered core, comprising:

preparing a mixture comprising a soft magnetic powder and a resin powder;

compacting the mixture into a predetermined shape to obtain a green compact; and

heating the green compact;

wherein:

the resin powder has a median size of not more than 50 μm, and the resin powder amount is 0.01 to 2.65% by volume; and

the resin powder is a thermosetting polyimide resin~~, a thermoplastic polyimide resin,~~ or a polytetrafluoroethylene resin.

2. (Canceled)

3. (Previously Presented) The method according to claim 1, wherein the resin powder is a thermosetting resin with a median size of 30 μm or less.

4. (Canceled)

5. (Previously Presented) The method according to claim 1, wherein the thermosetting polyimide resin powder amount is 0.18 to 2.4 vol%.

6. (Canceled)

7. (Previously Presented) The method according to claim 1, wherein the polytetrafluoroethylene resin amount is 0.36 to 1.4 vol% when the median size is not more than 10 μm, and is 0.11 to 1.4 vol% when the median size is not more than 5 μm.

8. (Previously Presented) The method according to claim 1, wherein the soft magnetic powder is an iron powder having a surface coated with a phosphate compound,

the mixture is compacted with a compacting pressure of 700 to 2000 MPa to obtain a green compact,

the green compact is subjected to a heating treatment; and

it is machined to have a predetermined shape.

9. (Previously Presented) The method according to claim 8, wherein the compacting is performed by applying a lubricant powder for compacting to an inner surface of a compacting die assembly without adding a lubricant powder for compacting to the mixture.

10. (Previously Presented) A method for producing a solenoid core for an engine fuel injection device, comprising:

preparing a mixture according to claim 1; and

compacting the mixture with a compacting pressure of 1000 to 2000 MPa to obtain a green compact with a cylindrical shape;

wherein the green compact is subjected to a heating treatment and it is machined to have a predetermined shape.